

### Abstract Of The Disclosure

5 A method and a device as well as a computer program for controlling an internal combustion engine are provided, a torque model being used within the framework of calculating instantaneous variables and/or actuating variables. A correction of a basic value determined under standard conditions takes place in the process. In addition, to further improve the accuracy of the model, the efficiency for the conversion of the chemical into mechanical energy by which the optimum torque value is corrected, is determined at least as a function of a variable characterizing the combustion center point and a variable characterizing the opening instant of a discharge-side gas-exchange valve.